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***** Welcome to STN International *****

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Dec 17 The CA Lexicon available in the CAPLUS and CA files
NEWS 3 Feb 06 Engineering Information Encompass files have new names
NEWS 4 Feb 16 TOXLINE no longer being updated
NEWS 5 Apr 23 Search Derwent WPINDEX by chemical structure
NEWS 6 Apr 23 PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
NEWS 7 May 07 DGENE Reload
NEWS 8 Jun 20 Published patent applications (A1) are now in USPATFULL
NEWS 9 JUL 13 New SDI alert frequency now available in Derwent's
 DWPI and DPCI
NEWS 10 Aug 23 In-process records and more frequent updates now in
 MEDLINE
NEWS 11 Aug 23 PAGE IMAGES FOR 1947-1966 RECORDS IN CAPLUS AND CA
NEWS 12 Aug 23 Adis Newsletters (ADISNEWS) now available on STN
NEWS 13 Sep 17 IMSworld Pharmaceutical Company Directory name change
 to PHARMASEARCH
NEWS 14 Oct 09 Korean abstracts now included in Derwent World Patents
 Index
NEWS 15 Oct 09 Number of Derwent World Patents Index updates increased
NEWS 16 Oct 15 Calculated properties now in the REGISTRY/ZREGISTRY File
NEWS 17 Oct 22 Over 1 million reactions added to CASREACT
NEWS 18 Oct 22 DGENE GETSIM has been improved
NEWS 19 Oct 29 AAASD no longer available
NEWS 20 Nov 19 New Search Capabilities USPATFULL and USPAT2
NEWS 21 Nov 19 TOXCENTER(SM) - new toxicology file now available on STN

NEWS EXPRESS August 15 CURRENT WINDOWS VERSION IS V6.0c,
 CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP),
 AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001

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FILE COVERS 1947 - 22 Nov 2001 VOL 135 ISS 23
 FILE LAST UPDATED: 22 Nov 2001 (20011122/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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=> s 120:107692/an
 L1 1 120:107692/AN

=> d 11 all

L1 ANSWER 1 OF 1 CA COPYRIGHT 2001 ACS

Full Text	Citing References
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AN	120:107692 CA
TI	Peptide-encoding for structure determination of nonsequenceable polymers within libraries synthesized and tested on solid-phase supports
AU	Nikolaiev, V.; Stierandova, A.; Krchnak, V.; Seligmann, B.; Lam, K. S.; Salmon, S. E.; Lebl, M.
CS	Selectide Corp., Tucson, AZ, 85737, USA
SO	Pept. Res. (1993), 6(3), 161-70 CODEN: PEREEO; ISSN: 1040-5704
DT	Journal
LA	English
CC	34-3 (Amino Acids, Peptides, and Proteins)
AB	A method of indirectly detg. the structure of nonpeptide or nonsequenceable compds. that have been synthesized on individual particles

of solid support is described. The technique permits the parallel synthesis of a compd. that is not susceptible to Edman degrading (e.g., N-terminal-blocked peptide), or one containing components that cannot be identified by amino acid sequencing, together with a corresponding "coding" peptide. Each coupling step in the assembly of the nonsequenceable compd. is followed by the coupling of an amino acid to a different attachment site of the same carrier particle, whereby the amino acid unambiguously codes for the previously coupled building block of the nonsequenceable compd. The rationale is to enable the sequence determination of a biologically active compd. that has been identified through the screening of a library of nonsequenceable compounds, by translating the sequence of its "coding" peptide, determined by Edman degradation, into the structure of the active compd. The technique facilitates the construction and screening of nonpeptide libraries for the discovery of important pharmaceutical compounds.

- ST Merrifield synthesis peptide mixt encoding; sequence peptide mixt coding method
- IT Peptides, preparation
RL: SPN (Synthetic preparation); PREP (Preparation)
(mixts., prepn. of, by solid-phase methods, coding scheme for nonsequenceable residues in)
- IT Merrifield synthesis
(of nonsequenceable peptide mixts., amino acid coding schemes for)
- IT Protein sequences
(of nonsequenceable residues, amino acid coding scheme for)
- IT 79-08-3, Bromoacetic acid 100-46-9, Benzylamine, reactions 122-59-8, Phenoxylacetic acid 584-93-0, α -Bromovaleric acid 5292-21-7, Cyclohexanecarboxylic acid 6232-88-8, 4-(Bromomethyl)benzoic acid 6928-85-4, 1-Amino-4-methylpiperazine 10351-19-6, (4-Pyridylthio)acetic acid 152835-00-2, 2-(9-Fluorenylmethoxycarbonylamino)ethanethiol
RL: RCT (Reactant)
(peptide coupling reactions of, coding scheme for detn. of)
- IT 35737-15-6
RL: RCT (Reactant)
(peptide coupling reactions of, coding scheme for nonsequenceable peptides from)
- | | | | | | |
|----|---------------------|---------------------|---------------------|---------------------|---------------------|
| IT | <u>152768-10-0P</u> | <u>152768-11-1P</u> | <u>152768-12-2P</u> | <u>152768-13-3P</u> | <u>152768-14-4P</u> |
| | <u>152768-15-5P</u> | <u>152768-16-6P</u> | <u>152768-17-7P</u> | <u>152768-18-8P</u> | <u>152768-19-9P</u> |
| | <u>152768-20-2P</u> | <u>152768-21-3P</u> | <u>152768-22-4P</u> | <u>152768-23-5P</u> | <u>152768-24-6P</u> |
| | <u>152768-25-7P</u> | <u>152768-26-8P</u> | <u>152768-27-9P</u> | <u>152768-28-0P</u> | <u>152768-29-1P</u> |
| | <u>152768-30-4P</u> | <u>152768-31-5P</u> | <u>152768-32-6P</u> | <u>152768-33-7P</u> | <u>152768-34-8P</u> |
| | <u>152768-35-9P</u> | <u>152768-36-0P</u> | <u>152768-37-1P</u> | <u>152768-38-2P</u> | <u>152768-39-3P</u> |
| | <u>152768-40-6P</u> | <u>152768-41-7P</u> | <u>152768-42-8P</u> | <u>152768-43-9P</u> | <u>152768-44-0P</u> |
| | <u>152768-45-1P</u> | <u>152768-46-2P</u> | <u>152768-47-3P</u> | <u>152768-48-4P</u> | <u>152768-49-5P</u> |
| | <u>152768-50-8P</u> | <u>152768-51-9P</u> | <u>152768-52-0P</u> | <u>152768-53-1P</u> | <u>152768-54-2P</u> |
| | <u>152768-55-3P</u> | <u>152768-56-4P</u> | <u>152768-57-5P</u> | <u>152768-58-6P</u> | <u>152768-59-7P</u> |
| | <u>152768-60-0P</u> | <u>152768-61-1P</u> | <u>152768-62-2P</u> | <u>152768-63-3P</u> | <u>152768-64-4P</u> |
| | <u>152768-65-5P</u> | <u>152768-66-6P</u> | <u>152768-67-7P</u> | <u>152835-01-3P</u> | <u>152835-02-4P</u> |
| | <u>152835-03-5P</u> | <u>152835-04-6P</u> | <u>152883-05-1P</u> | <u>152883-06-2P</u> | <u>152883-07-3P</u> |
| | <u>152883-08-4P</u> | <u>152883-09-5P</u> | <u>152883-10-8P</u> | <u>152883-11-9P</u> | <u>152883-12-0P</u> |
| | <u>152886-20-9P</u> | <u>153838-40-5P</u> | | | |
- RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, by solid-phase methods, amino acid coding scheme for)

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